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(Reaffirmed 2001)
(Reaffirmed 2013)

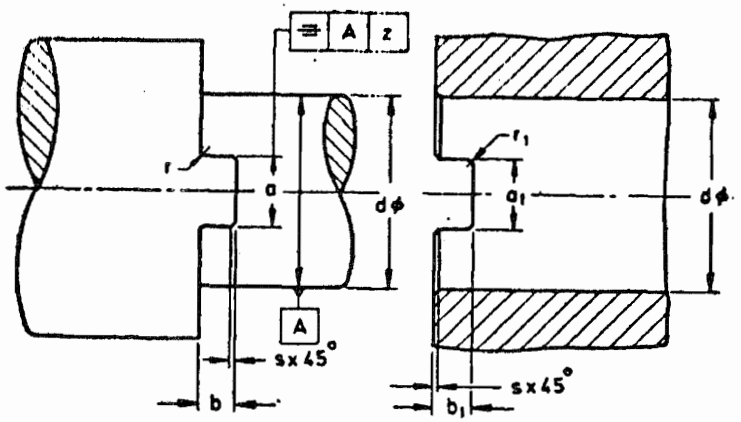
Indian Standard

DIMENSIONS FOR INTERCHANGEABILITY OF MILLING CUTTERS AND MILLING ARBORS WITH TENON DRIVE

Small Tools Sectional Committee, EDC 45; Milling Cutters (Including Arbors) Subcommittee, EDC 45 : 2 [Ref : Doc : EDC 45 (1913)]

1. Scope — Dimensions for interchangeability of milling cutters and milling arbors with tenon drive.

2. Dimensions



All dimensions in millimetres.

d* h6/H7	Arbor			Cutter			s		zt
	a h11	b H11	r Max	a_1 H11	b_1 H13	r_1 Max			
5	3	2·0	0·3	3·3	2·5	0·6	0·3		0·075
8	5	3·5	0·4	5·4	4·0	0·6	0·4	+0·1	0·100
10	6	4·0	0·5	6·4	4·5	0·8	0·5		0·100
13	8	4·5	0·5	8·4	5·0	1·0	0·5		0·100
16	8	5·0	0·6	8·4	5·6	1.0	0·6		0·100
19	10	5·6	0·6	10·4	6·3	1·2	0·6		0·100
22	10	5·6	0·6	10·4	6·3	1·2	0·6	+0·2	0·100
27	12	6·3	0·8	12·4	7·0	1·2	0·8		0·100
32	14	7·0	0·8	14·4	8·0	1·6	0·8		0·100
40	16	8·0	1·0	16·4	9·0	2·0	1·0		0·100
50	18	9·0	1·0	18·4	10·0	2.0	1·0	+0·3	0·100
60	20	10·0	1·0	20·5	11·2	2·0	1·0		0·125

*The tolerance on *d* is not applicable to gear hobs.

†z = Maximum permissible deviation between the axial plane of the tenon and the axis of arbor of diameter *d*.

Conforms fully to ISO/R 240-1969

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TO
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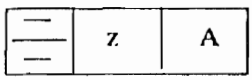
(*Clause* **2**, *Fig.*) — Replace the existing symbol for Symmetry as follows:



(PED 19)

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